

Notice of Allowability

Application No.

09/782,477

Examiner

Shawki S. Ismail

Applicant(s)

MACLEAN, JOHN M.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendments received on April 16, 2007.
2. ☒ The allowed claim(s) is/are 1-4, 6-9, 12-20, 22, 24, 27-33, 36-39, 41-43, and 45-72; re-numbered 1-61.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☒ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 6/28/2007.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


SALEH NAJJAR
SUPERVISORY PATENT EXAMINER

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EXAMINERS AMENDMENT

An examiner's amendment to the record appears below. Should the changes and /or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such amendment, it must be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Ari Akmal (Reg. No. 51,388) on June 27, 2007.

The application has been amended as follows:

Claims 1, 3, 4, 6-7, 10, 13, 25, 27-28, 33-36, 39-40, 43-46, 49-50, 53, 56, 68, and 72-75 have been replaced with the following amended claims.

1. (Currently Amended) A transaction management system comprising:
 - a server application that hosts an electronic commerce transaction ~~a transaction~~ comprising two or more sessions;
 - a network;
 - a client application connected in a communicating relationship with the server application over the network, and the client application participating in the transaction hosted by the server application; and
 - a filter application operating between the server application and the client application that initiates capture of data ~~to capture data~~ associated with the transaction upon the detection of a first event, and processes the captured data to associate the data captured during each of the two or more sessions with the transaction, wherein the captured data includes data captured in two or more sessions, preprocessed data passing between the client application, the server application and one or more additional server applications and any preprocessed data passing between the server application, the client application and the one or more additional server applications; ~~preprocessed data passing between the server application and the client application~~

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~~and any preprocessed data passing between the client application and one or more additional server applications;~~

wherein the filter application stops the capture of the data communicated between the client application, the server application and the one or more additional server applications upon the occurrence of a second event;

wherein the filter application processes the captured data to associate the data captured during each of the two or more sessions with the electronic transaction; and
a repository for storing the captured transaction.

3. (Currently Amended) The transaction management system of claim 1 further ~~the~~ comprising a second server application of the one or more additional server applications connected in a communicating relationship with the server application that hosts the transaction and further connected in a communicating relationship with the client application, wherein the filter application captures transaction data passed from the server application to the second server application to the client application.

4. (Currently Amended) The transaction management system of claim 1 ~~further comprising a document~~ wherein the repository that stores data captured by the filter application, ~~wherein the data is indexed according to at least one of a transaction type, a transaction party, a transaction time, or a transaction identifier.~~

6. (Currently Amended) The transaction management system of claim 1 ~~further comprising a document~~ wherein the repository that stores unstructured data captured by the filter application, the unstructured data including data having a plurality of formats.

7. (Currently Amended) The transaction management system of claim 4 further comprising a viewer for viewing the captured transaction data stored in the ~~document~~ repository.

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10. (Cancelled)

13. (Currently Amended) A method for managing transactions conducted over a network comprising:

detecting a first event;

in response to the first event, initiating a capture of data communicated between a client application participating in an electronic commerce transaction and a server application which hosts the transaction as the data is communicated between the client application and the server application, wherein the captured data includes data captured during two or more sessions, ~~and any preprocessed data passing between the client application and one or more additional server applications;~~ preprocessed data passing between the client application, the server application and one or more additional server applications and any preprocessed data passing between the server application, the client application and the one or more additional server applications;

detecting a second event;

in response to detection of the second event, stopping the capture of the data communicated between the client application, ~~and the server application~~ and the one or more additional server applications;

processing the captured data to associate the data captured during each of the two or more sessions with the transaction; and

storing the captured transaction data in a repository.

25. (Cancelled)

27. (Currently Amended) A method for managing transactions comprising:

processing an electronic commerce transaction between a client application participating in the electronic commerce transaction and a server application which hosts the electronic commerce transaction; ~~and~~

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upon detection of a first event, capturing data associated with ~~for the electronic commerce transaction, between the server application and the client application and any data passing between the client application and one or more additional server applications as the data passes between the client application and the server application or one or more additional server applications,~~ wherein the captured data includes data captured during two or more sessions, preprocessed data passing between the client application, the server application and one or more additional server applications and any preprocessed data passing between the server application, the client application and the one or more additional server applications; the captured data is processed to associate the data captured during each of the two or more sessions with a transaction and the data is captured in a form that permits review of the transaction as displayed during the transaction;

stopping the capture of data communicated between the client application, the server application and the one or more additional server applications upon the occurrence of a second event; and

storing the captured transaction in a repository.

28. (Currently Amended) The method of claim 27 further comprising:
~~initiating capture of the transaction data upon a first event occurring;~~
~~ending capture of the transaction data upon a second event occurring;~~
~~storing the electronic commerce transaction in a document repository; and~~
providing a viewer for reviewing the transaction stored in the document repository.
33. (Currently Amended) A transaction management system comprising:
a server application that hosts an electronic commerce transaction comprising two or more sessions;
a client application in communication with the server application over a network, thereby forming a communication path between the client application and server

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application, wherein the client application is participating in the transaction hosted by the server application; and

a filter application operating between the server application and the client application that initiate capture of data associated with the transaction upon the detection of a first event, wherein the captured data includes data captured in two or more sessions, preprocessed data passing between the client application, the server application and one or more additional server applications and any preprocessed data passing between the server application, the client application and the one or more additional server applications;

wherein the filter application stops the capture of the data communicated between the client application, the server application and the one or more additional server applications upon the occurrence of a second event;

wherein the filter application process the captured data to associate the data captured during each of the two or more sessions with the electronic transaction; and

a repository for storing the captured transaction

~~a filter application operable to capture data associated with the transaction as the data passes between the server application and the client application or between the client application and one or more additional server applications, and process the captured data to associate the data captured with the transaction, wherein the data was captured during two or more sessions.~~

34 (Cancelled)

35. (Cancelled)

36. (Currently Amended) A transaction management system comprising:
a server application operable to host a transaction comprising two or more sessions;
one or more additional server applications;
a network;

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a client application connected via a communication path with the server application over the network, wherein the client application participates in ~~a the~~ transaction hosted by the server application ~~with the server application that involves~~ passing data between the client application and the server application or the one or more additional server applications; and

a filter application operating between the server application and the client application that initiate capture of data associated with the transaction upon the detection of a first event, wherein the captured data includes data captured in two or more sessions, preprocessed data passing between the client application, the server application and one or more additional server applications and any preprocessed data passing between the server application, the client application and the one or more additional server applications;

wherein the filter application stops the capture of the data communicated between the client application, the server application and the one or more additional server applications upon the occurrence of a second event;

wherein the filter application process the captured data to associate the data captured during each of the two or more sessions with the electronic transaction; and

a repository for storing the captured transaction

~~a filter application in the communication path between the server application, the one or more additional server applications, and the client application, wherein the filter application captures the transaction data passing between the client application and the server application or one or more additional server applications, processes the captured data to associate the data captured during each of two or more sessions with the transaction.~~

39. (Previously Presented) The system of Claim 36, wherein the captured transaction data includes preprocessed data that is processed at the server application if the transaction data is sent from the client application to the server application or is processed at the client application if the transaction data is sent from the server application to the client application.

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40. (Cancelled)

43. (Currently Amended) A method for managing transactions conducted over a network comprising:

upon occurrence of a first event, initiating a capture of data communicated between a client application ~~preprocessed transaction data communicated between a client application participating in an electronic commerce transaction and a server application hosting the transaction as the data is communicated between the client application and server application, wherein the captured data includes data captured during two or more sessions, preprocessed data passing between the client application, the server application and one or more additional server applications and any preprocessed data passing between the server application, the client application and the one or more additional server applications; or one or more additional server applications as the data is communicated between the client application, and the server application;~~

stopping the capture of the data communicated between the client application, the server application and the one or more additional server applications ~~preprocessed data communicated between the client application and the server application~~

processing the captured data to associate the captured data with the transaction, wherein the captured data includes data captured during two or more sessions; and

storing the captured data in a repository.

44. (Cancelled)

45. (Previously Presented) The method of Claim 44 43, wherein the stored data comprises data evidencing authentication of the transaction by a user using the client application.

46. (Currently Amended) A transaction management system comprising:

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a server application that hosts an electronic commerce transaction comprising two or more sessions;
one or more additional server applications
a network;
a client application connected via a communication path with the server application over the network, wherein the client application participates in the a transaction with the server application that involves passing data between the client application and the server application; and between the server application and the client application; and
a filter application in the communication path between the server application and the client application that initiates capture of data associated with the transaction upon the detection of a first event, wherein the filter application captures the transaction data passing in either direction between the client application and the server application or one or more additional server applications, wherein the captured data includes data captured in two or more sessions, preprocessed data passing between the client application, the server application and one or more additional server applications and any preprocessed data passing between the server application, the client application and the one or more additional server applications
wherein the filter application stops the capture of the data communicated between the client application, the server application and the one or more additional server applications upon the occurrence of a second event; and
wherein the filter application processes the captured data to associate the captured data with the transaction, wherein the captured data includes data captured during each of the two or more sessions; and
a repository for storing the captured transaction.

49. (Currently Amended) The system of Claim 48, ~~wherein the transaction is an electronic commerce transaction and wherein the network is the Internet.~~

50. (Currently Amended) A method of managing transaction data, comprising:

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initiating ~~a~~ an electronic commerce transaction between a server application which hosts the transaction and a client application participating in the transaction over a network;

passing transaction data between the client application, ~~the~~ server application ~~or~~ and one or more additional server applications and between the server application, ~~and~~ the client application ~~or~~ and the one or more additional server applications and the client application;

upon detecting the occurrence of a first event, capturing the transaction data as the transaction data passes between the client application and the server application or the one or more additional server applications wherein the captured data includes data captured during two or more sessions; preprocessed data passing between the client application, the server application and one or more additional server applications and any preprocessed data passing between the server application, the client application and the one or more additional server applications;

stopping the capture of data upon the occurrence of a second event; and
processing the captured data to associate the ~~captured~~ data captured in each of the two or more sessions with the transaction; and
storing the captured transaction in a repository.

53. (Currently Amended) The method of Claim 50, ~~wherein the transaction is an electronic commerce transaction and wherein the network is the Internet.~~

56. (Currently Amended) The method of Claim 40 1, wherein the first event is an interaction with the client application

68. (Currently Amended) The system of Claim 40 36, wherein the ~~trigger~~ first event is an interaction with the client application.

69. (Currently Amended) The system of Claim 68, wherein no data is captured before occurrence of the ~~trigger~~ first event.

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72. (Currently Amended) A method for managing transactions conducted over a network comprising:

transmitting an object from a server application hosting an electronic commerce transaction comprising two or more sessions to a client application participating in the transaction in response to a request from the client application;

detecting a first interaction with the object at the client application;

in response to the first interaction, initiating a capture of data associated with the transaction data communicated to the client application and from the client application from the server application or one or more additional server applications after the data is sent from the client application and before data is received at the client application, wherein the captured data includes data captured in two or more sessions, preprocessed data passing between the client application, the server application and one or more additional server applications and any preprocessed data passing between the server application, the client application and the one or more additional server applications, wherein no data is captured before the first interaction;

detecting a second event; and

in response to detection of the second event, stopping the capture of the data communicated between the client application, the server application and the one or more additional server applications ~~to the client application or from the client application;~~

processing the captured data to associate the data captured during the two or more sessions with the transaction; and

storing the captured transaction in a repository.

73. (Cancelled)

74. (Cancelled)

75. (Cancelled)

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REASONS FOR ALLOWANCE

The following is an Examiner's Statement of Reasons for Allowance:

Claims 1-4, 6-9, 12-20, 22, 24, 27-33, 36-39, 41-43, and 45-72, are allowable over the prior art of record.

The examiner has found that the prior art of record does not teach or suggest or render obvious a method and system for managing electronic commerce transactions conducted over a network between a client application, server application and one or more additional server applications which contains a filter application operating between the server application and the client application. Upon the occurrence of a trigger the filter application capturing data communicated includes data captured in two or more sessions, preprocessed data passing between the client application, the server application and one or more additional server applications and any preprocessed data passing between the server application, the client application and the one or more additional server applications, as set forth in the specification and recited in the independent claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submission should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shawki S Ismail whose telephone number is 571-272-3985. The examiner can normally be reached on M-F 8:30 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Saleh Najjar can be reached on 571-272-4006. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Shawki Ismail
Patent Examiner
June 28, 2007



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